

CITY OF MILWAUKEE

DEPARTMENT OF PUBLIC WORKS

Erosion Control Implementation Plan (ECIP)

The Erosion Control Implementation Plan (ECIP) is an effort to conform to Chapter 290 of the Code of Ordinances. The ECIP shall be submitted to the City Engineer at least ten (10) working days prior to the start of any construction activity. NO construction activity may begin without an ECIP approved by the Department of Public Works.

FOR OFFICE USE ONLY				Application No. _____		
Meets Technical Standards <input type="checkbox"/>		Does Not Meet Technical Standards <input type="checkbox"/>				
Date Application Received: _____		Date All Information Received: _____		Reviewed by: _____		
Fee Paid <input type="checkbox"/>		Check No. _____				
	Applicant (Contractor)			Erosion Control Consultant/Engineer		
Name:						
Address:						
City/State/Zip:						
Phone:						
Relationship to Project:						
Principal Contact Responsible for Installation, Maintenance and Removal of Erosion Control Measures:						
Name:						
Phone:				Fax:		
Type of Construction:						
Proposed Construction Start Date:						

ECIP REQUIREMENTS:

- Attach a description of Erosion Control devices and other Best Management Practices to be utilized on the project(s). The description should include, but not be limited to: type of products (i.e. *Geotex Fabric*), manufacturer's names and types of equipment (i.e. self-contained power broom).
- Attach the intended timetable and sequence of construction activities.
- Attach the intended timetable and sequence of Best Management Practices and devices to be implemented for erosion control.
- Attach a site plan showing approximate location(s) of erosion control devices. The site plan shall be at a scale of no less than 1"=100'. The plan shall also indicate the direction of runoff flow, the construction limits, temporary stockpiles and any other significant information.

Upon receipt of all required information, the ECIP will be reviewed within ten (10) working days and all involved parties will be notified as to whether or not the plan meets technical standards.

Applicant's Signature: _____ **Date:** _____

CITY OF MILWAUKEE

DEPARTMENT OF PUBLIC WORKS

EROSION CONTROL-SIMPLIFIED CHECKLIST

SITE CHARACTERISTICS

The Contractor may utilize the City of Milwaukee plan set for this contract or provide a site diagram. The following information shall be included:

- The scale of the drawing (not less than 1"=100')
- A north arrow (towards the top or to the right of the plan)
- The name of all project streets and streets abutting the project
- Approximate location of all existing and proposed drainage structures
- The direction of water runoff (flow arrows)
- The limits of construction
- The approximate location of all erosion control devices
- Areas where vegetation will be disturbed and re-established
- For non right-of-way projects, locate watershed areas of overland and concentrated flow. Include area sizes in acres and representative soil type of disturbed areas.

Erosion Control Practices

- Stormwater inlet protection:
 1. Any structure that is connected to the drainage system shall be protected from sediment entering the system.
 2. All stormwater inlets adjacent to and on the project site shall have type M inlet protection.
 3. If the frame of any stormwater inlet is removed or openings are in the masonry and stormwater may enter, the protection device should be changed to a type R.
 4. Any manholes that the frame is removed or openings are in the masonry and stormwater may enter shall have a type R erosion control.
- Temporary storage piles:
 1. Storage of erodible materials (i.e. gravel) should not be closer than 25 feet from a roadway or drainage way. If placed in the right-of-way, the stockpiles shall not be placed closer than 100 feet of an unprotected storm drain. Covering or surrounding with straw bales, silt fence or other measures, shall control erosion from stockpiles existing less than ten (10) days. Stockpiles existing longer than ten (10) days shall be seeded and mulched.
- Tracking:
 1. The project and surrounding roadways shall be kept free from materials that may enter the drainage system. Tracked roadways shall be cleaned immediately by means other than flushing with water.
 2. Tracking pads at ingress and egress points may be used to help control tracking of sediment onto roadway surfaces. The pads shall be constructed with a minimum of 2-inch size stone, 8-feet wide and a minimum of 50-feet long.
 3. The project roadways should be cleaned on a daily basis. Cleaning shall be done by means other than flushing with water.

- Location of sediment controls (i.e. silt fence, straw bales, waddles and other planned practices) that minimize the amount of sediment from leaving the site:
 1. The “*Wisconsin Construction Site Best Management Practices Handbook*” should be consulted.
- Dewatering:
 1. Water containing particles of 100 microns or greater shall be treated by use of temporary sediment basins or other devices designed to remove particles of 100 microns or greater.
- Vegetation:
 1. The construction activity should be staged as to limit the amount of time vegetation is stripped and re-established.
- Maintenance:
 1. A schedule for maintaining all erosion control devices is necessary to maximize the effort of limiting sediment from entering the drainage system.
 2. All devices should be checked and maintained after a rainfall event that totals 0.50 inches.
 3. All devices should be checked and maintained at least once a week.